ISA

REGULATION RESOURCE REPOSITORY ON SOLAR ENERGY

USER HELP MANUAL

(Version 1.0)

(23 November 2023)

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF ACRONYMS

Acronyms	Definition
FAQ	Frequently Asked Questions
ISA	International Solar Alliance

1   INTRODUCTION

1.1   BACKGROUND

The International Solar Alliance (ISA) is committed to facilitating the global transition to sustainable and renewable energy sources, by making solar the preferred choice. ISA recognizes that regulations play a pivotal role in shaping the energy landscape of a nation and believes that by drawing inspiration from successful regulatory frameworks of a country, another country can lay the foundation for a brighter, more sustainable future.

As a testament to this commitment, the ISA has spearheaded the project to collate laws, regulations, policies, guidelines, judgements, technical standards, publications and reports relating to the regulatory environment in ISA's member countries and make them available in this Regulation Resource Repository on Solar Energy. These resources have been meticulously gathered to serve as a comprehensive and valuable knowledge hub, promoting the development and harmonization of solar regulations worldwide.

ISA's primary aim is to provide this repository for the benefit of its member countries, academicians, experts, and the public at large. Whether you are an official in a member nation, an academic seeking invaluable research material, an expert in the field, or a concerned citizen interested in the future of sustainable energy, this platform is designed to be your go-to resource. ISA aims to harness the power of knowledge and collaboration to drive solar energy adoption and contribute to a greener, more sustainable planet.

1.2   ABOUT THE PORTAL

The ISA Regulation Resource Repository portal aims to serve as a single window platform to provide all law, regulations, policies, guidelines etc relevant to the solar energy sector related to ISA member countries. It serves to facilitate understanding of the complex regulatory landscape, promoting compliance with established standards. This repository supports research efforts and provides valuable insights for researchers, policymakers, and industry experts.

1.3   ABOUT THE USER MANUAL

The ISA Regulation Resource Repository Portal User Manual is a comprehensive guide that facilitates seamless user engagement with the platform. It covers essential functionalities such as user registration and login, collaborative contribution features, and detailed navigation instructions for the extensive database, which includes Laws, Regulations and Policies, Publications, and Technical Standards. The manual also addresses user queries through a dedicated FAQs section, provides insights into the repository's purpose on the "About the Repository" page, and encourages user feedback via a designated page. Users can reach out

through the Contact Us page. Major Themes offer a thematic overview, and the News and Updates section keeps users informed about the latest developments. This user-centric guide ensures that stakeholders, including researchers, policymakers, and industry experts, can effectively leverage the repository for valuable insights into the regulatory landscape of the solar energy sector.

The User Manual acts as a comprehensive guide, empowering users to navigate, contribute, and derive maximum benefit from the ISA Regulation Resource Repository Portal, thereby fostering collaboration and knowledge dissemination within the solar energy community.

This user manual covers the following chapters and provides a detailed explanation for each action point:

- Register and Login Functionality
- Collaborate Functionality
- Database (Laws, Regulations and Policies, Publications, Technical Standards)
- FAQs Section
- About the Repository Page
- Feedback Page
- Contact Us Page
- Major Themes (Laws, Regulations and Policies, Publications, Technical Standards)
- News and Updates

2 PORTAL FUNCTIONALITIES

This section outlines the online registration procedure for users seeking to utilize the collaboration functionality and download documents available on ISA Regulation Resource Repository Portal. The user shall mandatorily register themselves on the portal to download any document.

2.1 USER REGISTRATION PROCESS

Step 1.   Access the website ISA Regulation Resource Repository Portal Link. The Home page of the portal will be displayed as shown below. Click on the Hamburger menu as shown below.
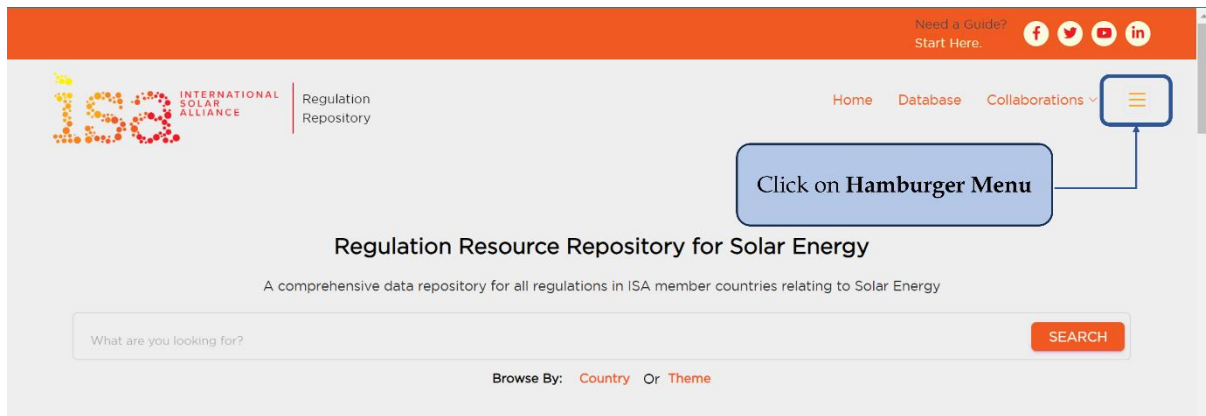

Figure 1: Hamburger Menu

Step 2.   After clicking on the Hamburger Menu, the menu window will expand. The user shall then click on "Login" option as shown below.
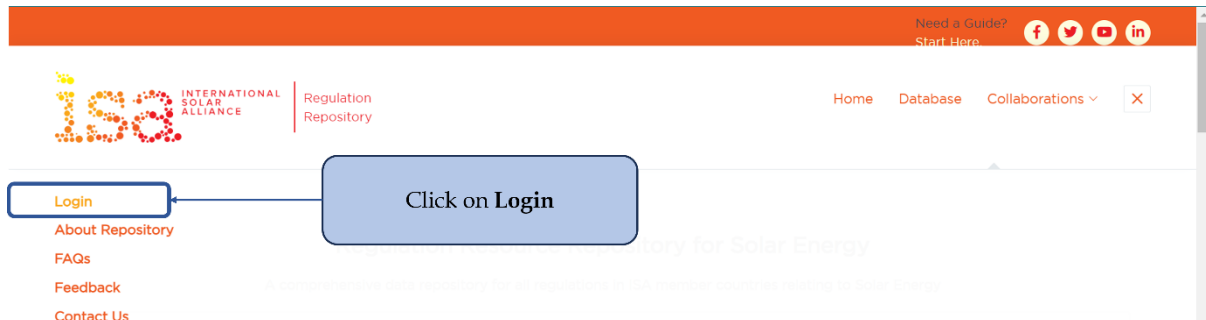

Figure 2: Login Option

Step 3.   The Login page shall open. The user shall then click on "Create an Account" as shown below.
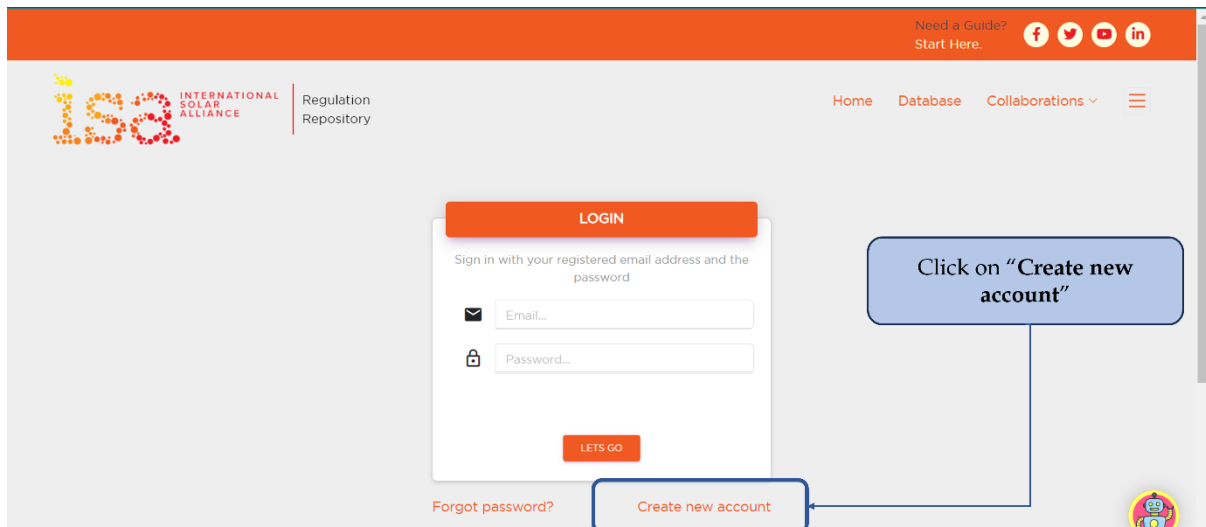
Figure 3: Login Window Page

Step 4. The user shall be directed to the Register window page, where the user needs to fill in the required details and click on "Create Account" as shown below.
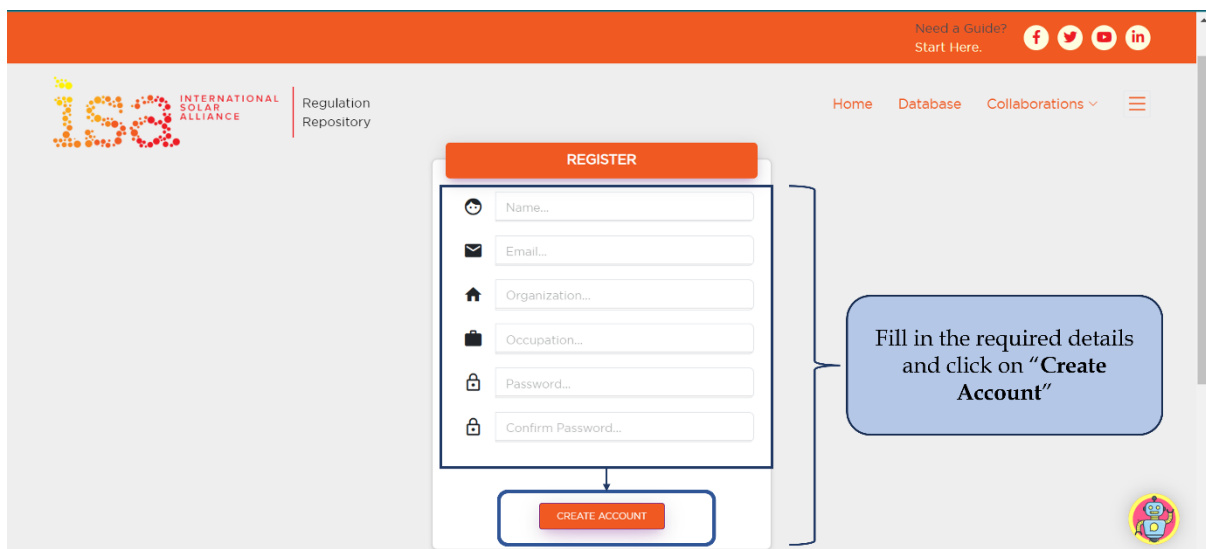

Figure 4: Registration Page

Step 5. The user shall then receive a verification email on registered email id. The user needs to click on "Verify Email Address" as shown below. Once verified the user can now Login and access the various functionalities on the portal, such as downloading a document or writing a view piece.

Figure 5: Verification Email

Step 6.   After logging onto the portal, the user shall be directed to the Dashboard window as shown below.

Figure 6: User Dashboard

Step 7.   The user can reset the password by clicking on "Edit Your Profile" option under the Profile window as shown below. After entering the current password and new password, click on Change Password to change the password.

Figure 7: Password Reset Option

2.2 ACCESSING RESOURCE MATERIALS

The Users can access the various documents available on the portal through the Database menu. The Database Menu is located in the top menu bar as shown in below figure. It offers users a structured approach to access a diverse range of clean energy resources. With categories such as laws, regulations, policies, publications, technical standards, reports, case studies, and more as depicted in Table below. Users can easily navigate and explore specific types of content relevant to their clean energy research or policymaking needs.

The Database Menu provides an organized and user-friendly interface to facilitate efficient exploration and utilization of the repository's extensive clean energy resource collection. The User registration is must to download any document. The steps to download the document are explained below.

Table 1: Hierarchical Taxonomy Structure

Major Themes	Themes	Sub-Themes
Laws, Regulations And Policies	Energy Laws & Regulations	- Acts - Laws - Regulations & Regulatory tools Judgments
	Plans, Policies & Programmes	- Policies - Strategies & roadmaps

		• Guidelines • Missions • R&D programmes
	Tariff Policies and Framework	• Tariff • Tax structure
	Fiscal Frameworks	• Investment • Subsidies
	Financial Regulations	• Financial mechanism • Financial incentives • Loans • Financing model
	Antitrust and Competition Legislations	• Competing markets • Anti-Competitive practices • Licencing • PPP Models
	Environmental Frameworks	• Environmental tribunals • Environmental regulations & Acts
Publications	Research Papers Case Studies Thesis/Dissertation Opinions Books Reports	• Solar Rooftop • Solar Mini grid • Floating Solar • Solar for Agricultural Use • Solar Projects Finance • E-mobility • Storage • Green Hydrogen • Electricity Generation • Electricity Transmission • Electricity Distribution • Solar Panels • Solar Cells • Solar Business Model • Solar Investments • Solar Regulations Commentary
Technical Standards	Product standards Process standards	• Solar Rooftop • Solar Minigrid • Floating Solar • Solar Pumps

		• E-mobility
		• Storage
		• Green Hydrogen
		• Electricity Generation
		• Electricity Transmission

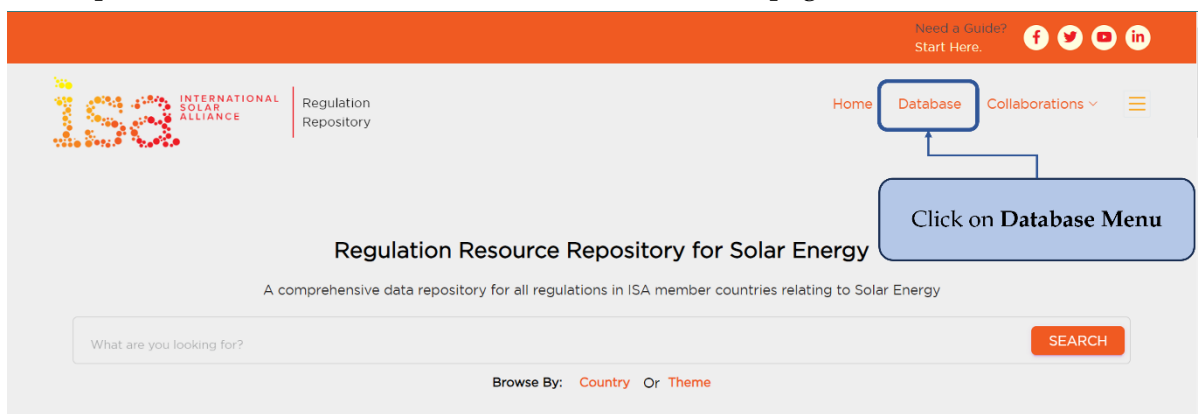Step 1. Click on the "Database" menu on the Homepage as shown below.

Figure 8: Database Menu

Step 2. The user will be guided to the Database page, as depicted below. Utilizing the search window, users can locate the desired document. Additional filtering options are available on the left side to narrow down the search, including options such as filtering by Publication Year, Continent, Country, Theme, and Sub-theme.
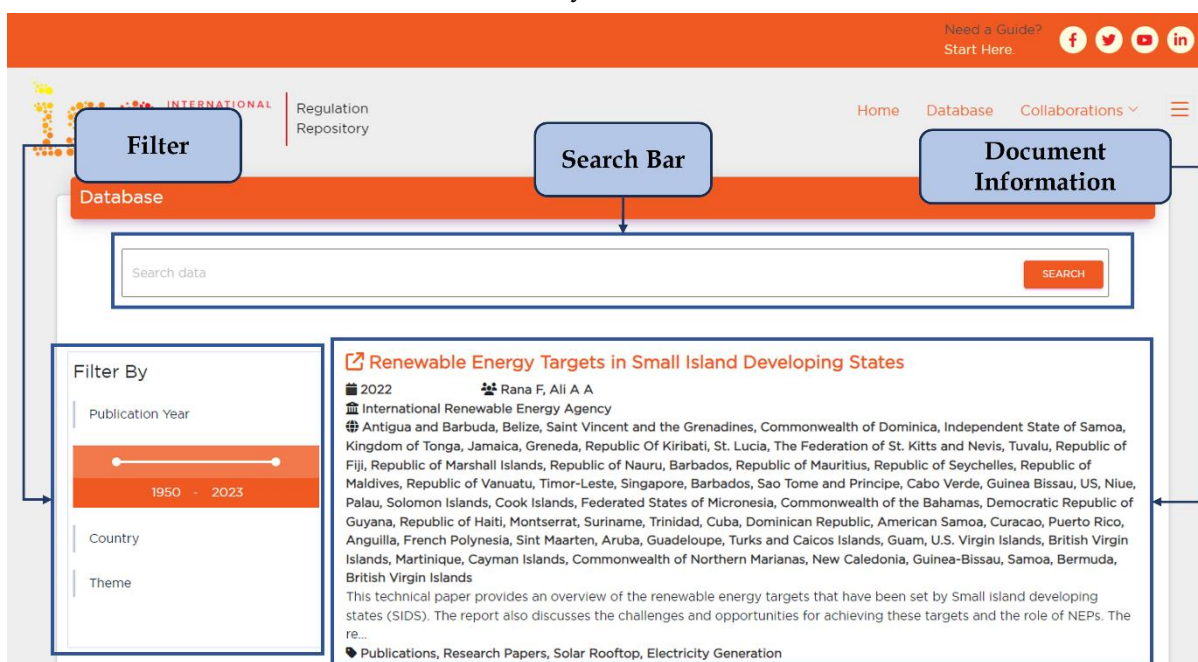
Figure 9: Database Page

Step 3. Click on the title of the document to go to download page or to access further meta tags associated with the document. On clicking the document name the user shall be

directed to the login/register page. Type in the registered email id and password to log in and click on **Lets Go** button. After logging in the user shall be directed to the following page.
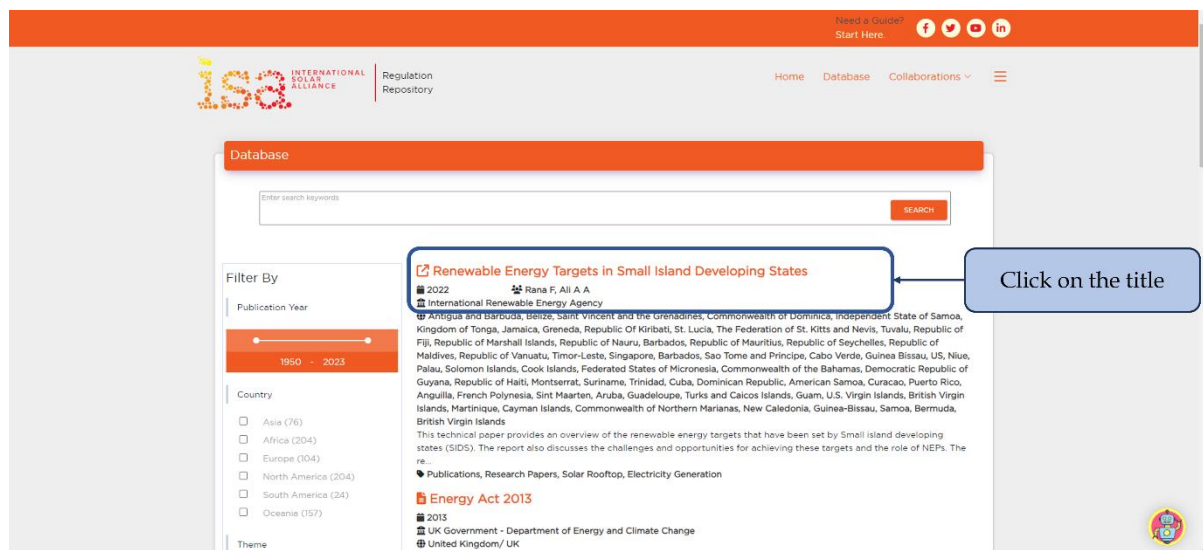
Figure 10: Document Access

Figure 11: Document Download and Associated Meta tags

Step 4.   To download the document click on the Title of the document as shown below. The downloading shall start.
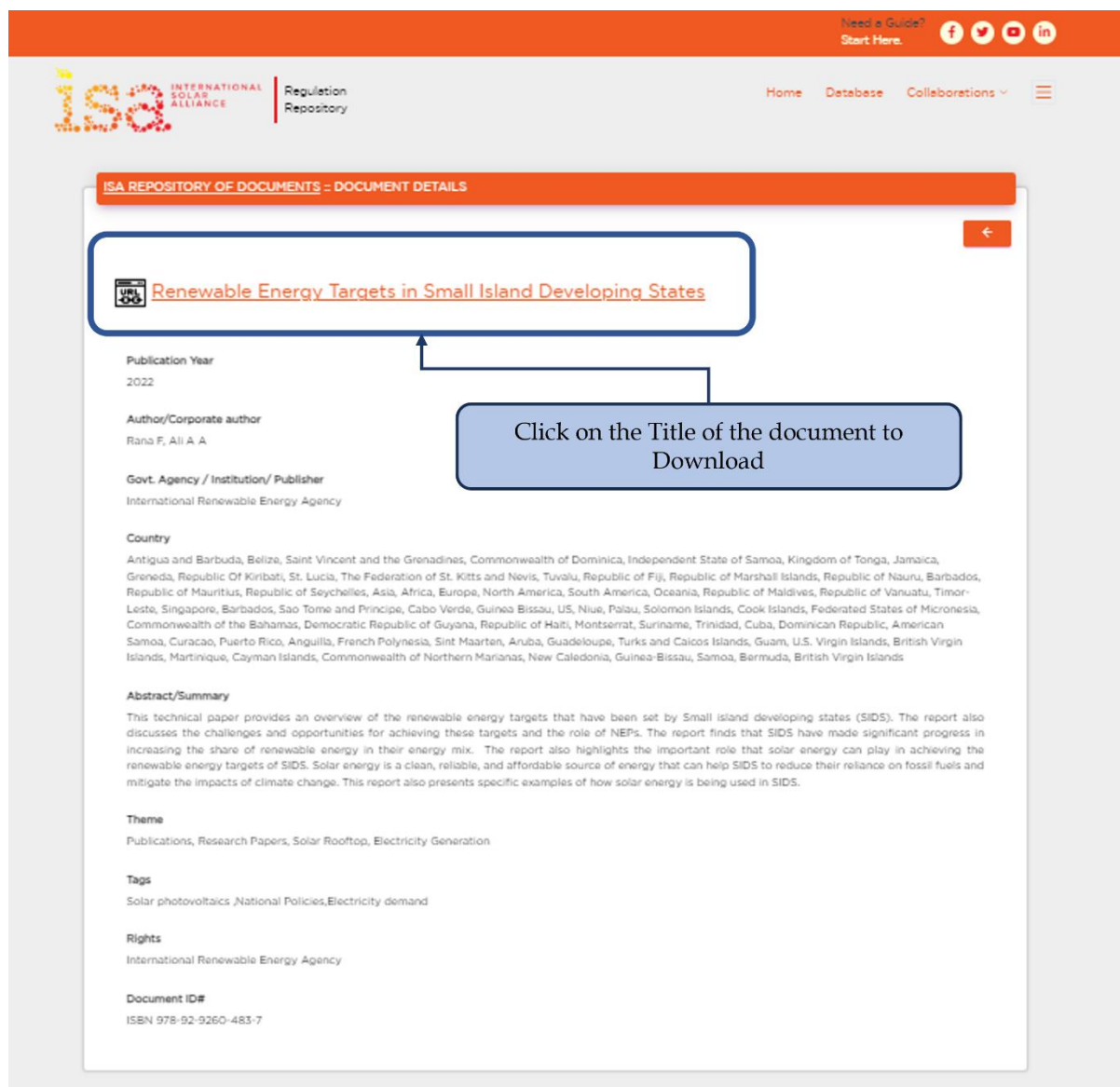
Figure 12: Downloading the document

2.3 COLLABORATION

The collaboration menu allows users to access various views or blogs pieces. These are written by experts. These views can be accessed by hovering the mouse around the **Collaboration** menu and clicking on **Views** sub-menu as shown below.
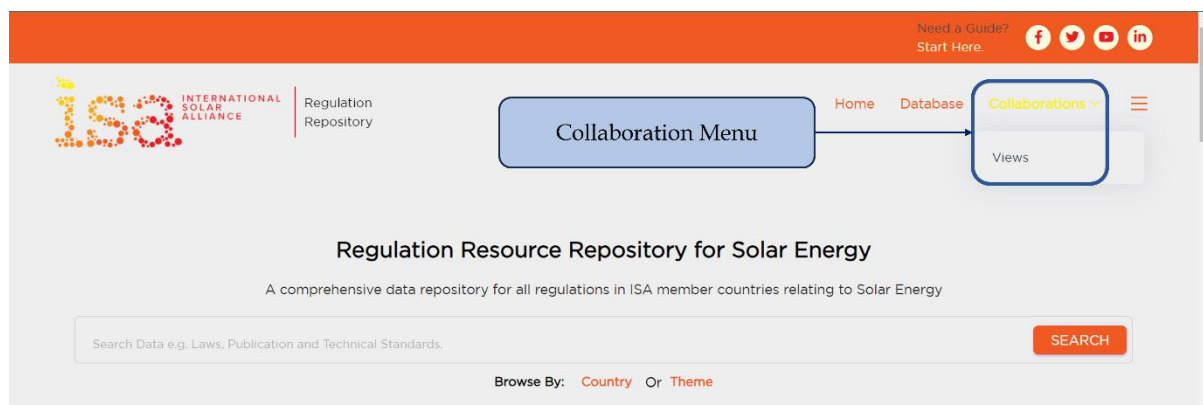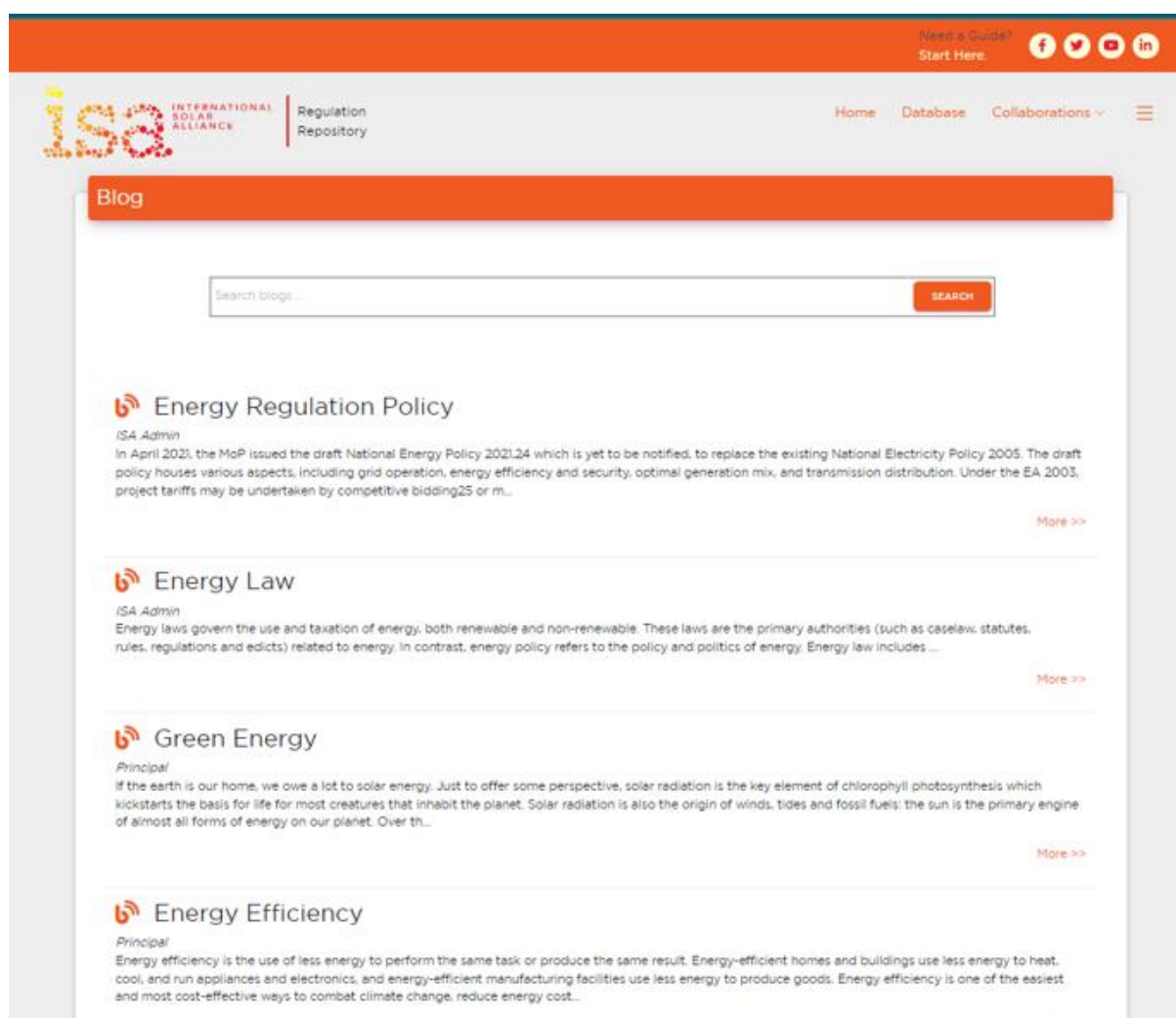
Figure 13: Collaboration Menu

Figure 14: View/Blog Pieces

2.4 SEARCH FUNCTIONALITY

The search feature empowers users to explore specific topics or documents, constituting a prominent aspect of the ISA Regulation Resource Repository Portal. This functionality enables

users to search for single or multiple keywords, delivering the most relevant documents based on the entered queries.
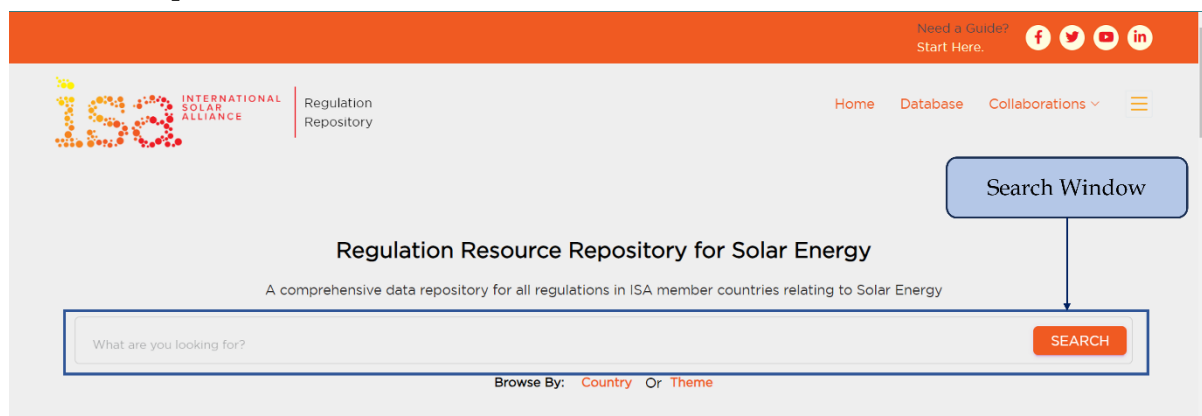

Figure 15: Search Window

2.5 CHATBOT

The chatbot feature enables users to pose questions, and it endeavours to furnish answers by drawing upon the available database. The chatbot offers responses based on the most pertinent documents it identifies for the posed question, accompanied by links to access those documents. Additionally, the bot provides a direct link to the database page related to the queried question, facilitating users in discovering more relevant documents. The Chatbot can be accessed as shown below.
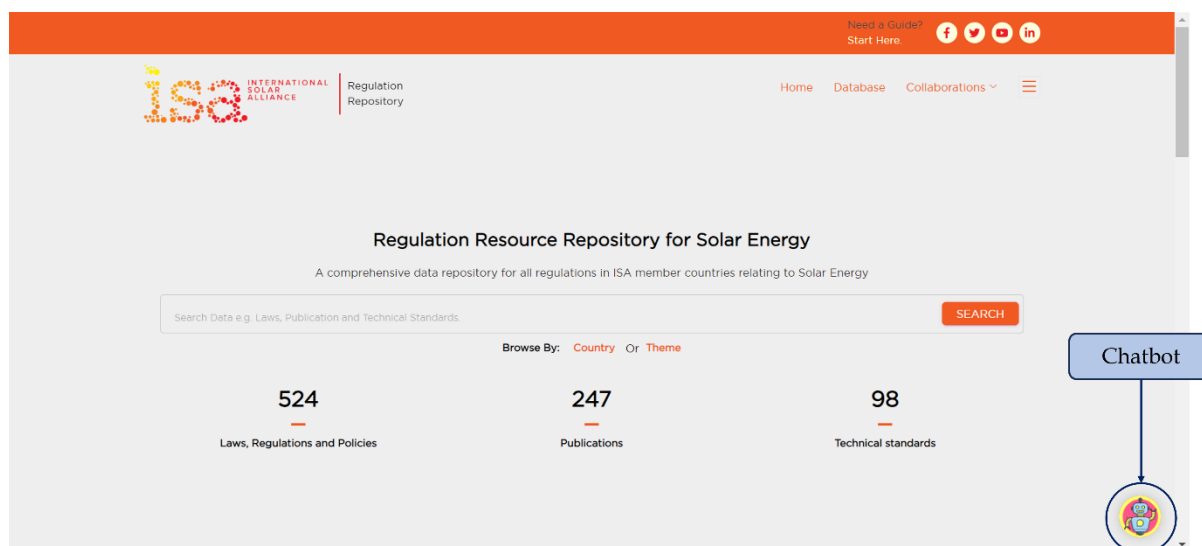

Figure 16: Chatbot

Select the Chatbot icon to open the chatbot window. Enter your question within the chatbot window as shown below.
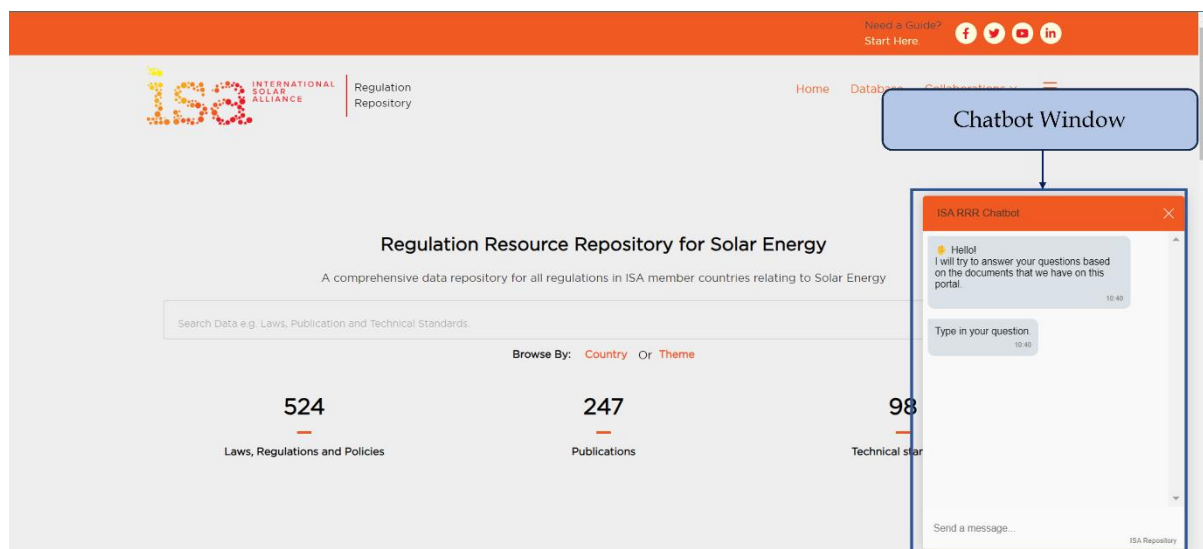
Figure 17: Chatbot window

2.6   ABOUT THE REPOSITORY

This section elucidates the purpose and significance of the repository, detailing its role as a centralized platform for regulatory resources related to the solar energy sector. This section provides users with a comprehensive understanding of the repository's objectives and its contribution to research and compliance. The user can access the About Repository page by clicking on the Hamburger menu and subsequently clicking on the "About Repository" sub-menu as shown below.
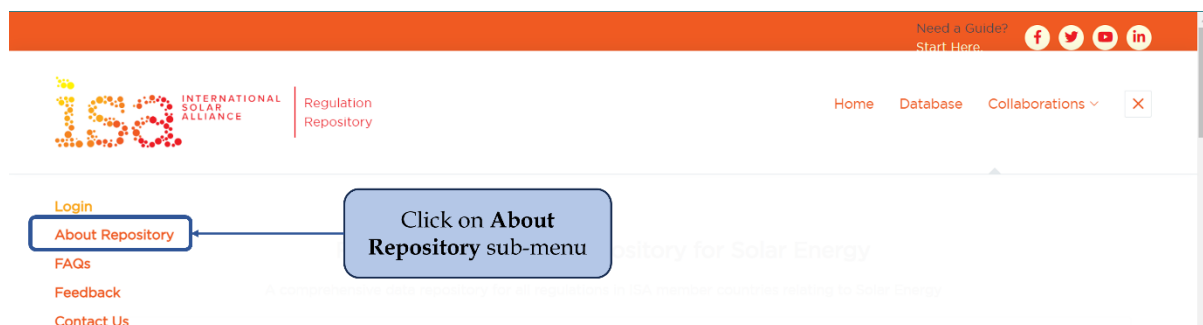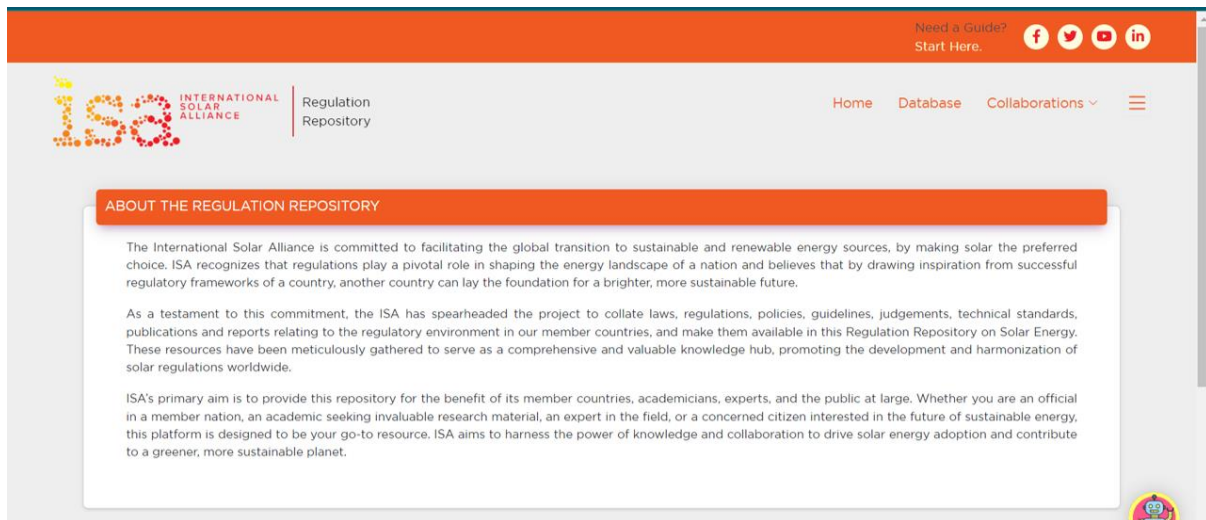

Figure 18: About Repository - Menu

Figure 19: About Repository - Page

2.7 FREQUENTLY ASKED QUESTIONS (FAQS)

To assist users in addressing common queries, the FAQs section is details the user about most common questions/queries. It serves as a quick reference guide, offering solutions to frequently encountered issues related to the portal's functionalities. The FAQs section can be accessed through the Hamburger menu as shown below.
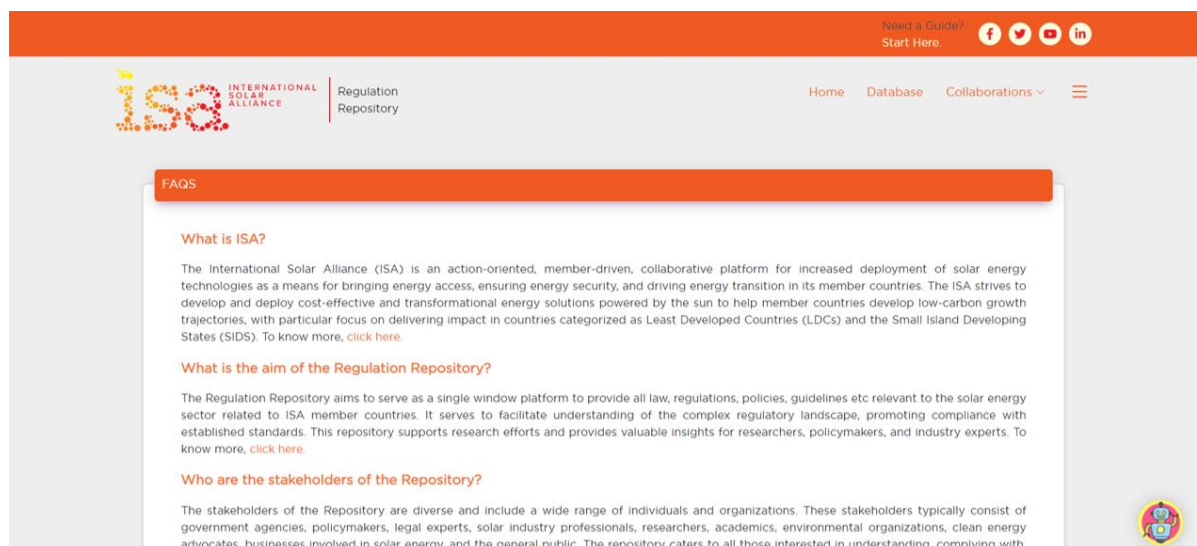

Figure 20: FAQs Menu

Figure 21: FAQs Page

2.8 FEEDBACK

User feedback is integral to continuous improvement. The Feedback Page guides users on how to provide valuable input. This ensures that the portal remains user-friendly, relevant, and aligned with the needs of its diverse user base. The Feedback page can be accessed by clicking on Hamburger menu and selecting the Feedback sub-menu as shown below. The user needs to fill in the necessary details and click on submit button to share the feedback to the admin.

Figure 22: Feedback Menu

Figure 23: Feedback Page

2.9 CONTACT US

In case users require personalized assistance or have specific inquiries, the Contact Us Page details the channels through which users can reach out to the portal administrators. This enhances user engagement and establishes a direct line of communication. The Contact Us page can be accessed by clicking on Hamburger menu and selecting the Contact Us sub-menu as shown below.
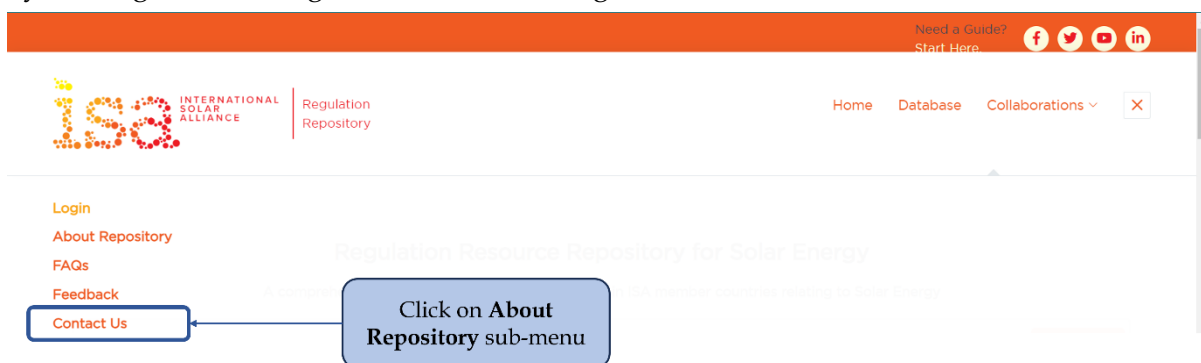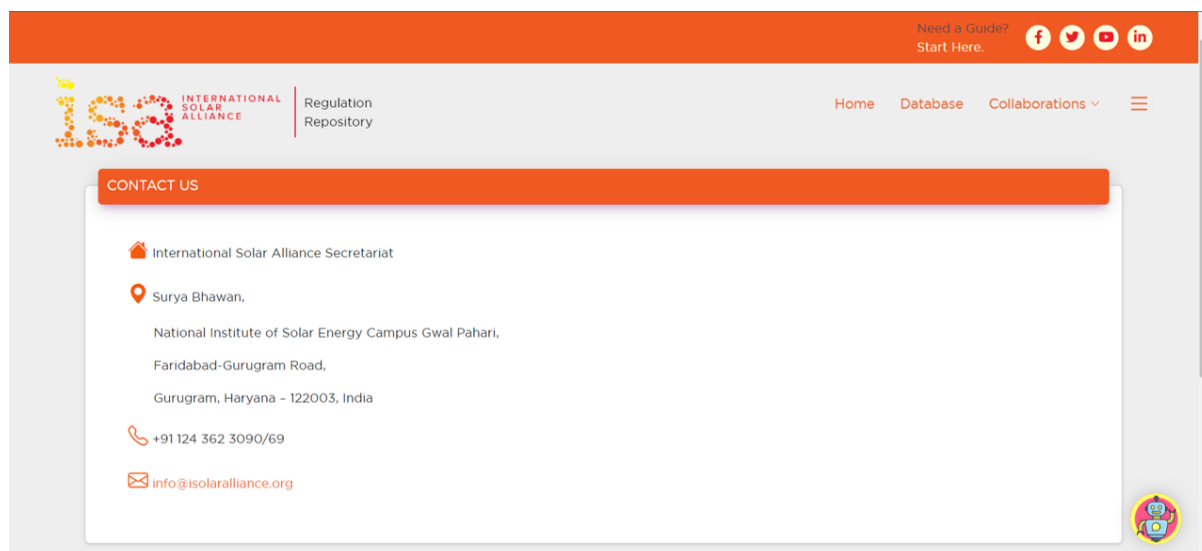

Figure 24: Contact Us Menu

Figure 25: Contact Us Page

2.10 MAJOR THEMES

The Major Themes section delves into the major themes covered by the repository, elucidating the information available under Laws, Regulations and Policies, Publications, and Technical Standards. This section serves as a roadmap for users, helping them navigate the portal with a clear understanding of the available content.
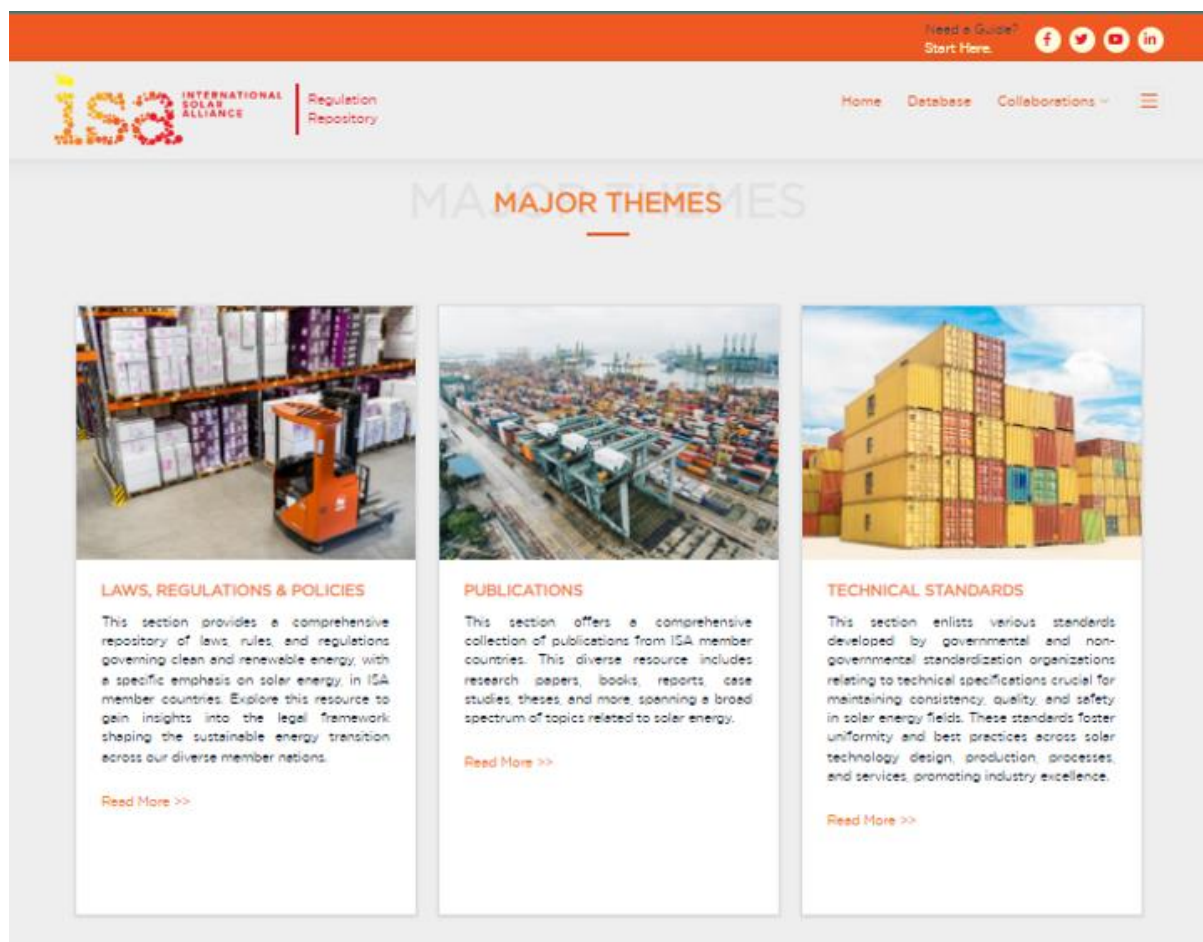
Figure 26: Major Themes Window

2.11 NEWS & UPDATES

To keep users informed about the latest developments, the News & Updates section outlines the latest newsfeed. This feature ensures that users stay abreast of changes in regulations, industry trends, and other pertinent information related to the solar energy sector.

Figure 27: News & Updates section